Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/18/2020 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124198	-1	2.10	124303	2.09
Blue	F	SSC	125000	124539	-1	1.63	125281	1.64
Blue	E	FITC	15892	15508	-3	2.94	338	20.83
Blue	D	PE	29999	29320	-3	2.03	639	15.57
Blue	B	PerCP-Cy5-5	43732	43153	-2	3.89	1149	21.13
Blue	A	PE-Cy7	30845	30729	-1	6.42	585	43.98
Red	C	APC	46112	45100	-3	2.48	1591	12.29
Red	A	APC-Cy7	30458	29406	-4	2.37	778	12.34
Violet	B	V450	7918	7545	-5	4.66	431	13.06
Violet	A	V500	32171	30473	-6	4.49	714	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16628	12.06	656	35	N/A	N/A	Pass
Blue	F	SSC	57285	1.26	588	29	N/A	N/A	Pass
Blue	E	FITC	61	67.39	555	12	0.0187	167	Pass
Blue	D	PE	134	52.51	561	13	0.1447	274	Pass
Blue	B	PerCP-Cy5-5	212	52.67	668	12	0.0086	90	Pass
Blue	A	PE-Cy7	110	108.85	714	16	0.0094	19	Pass
Red	C	APC	381	25.17	590	6	0.0234	105	Pass
Red	A	APC-Cy7	171	29.45	560	4	0.0052	878	Pass
Violet	B	V450	65	62.55	460	2	0.0649	3158	Pass
Violet	A	V500	106	35.64	475	1	0.0241	1116	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.89	-32.34	1.03
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.32	13.60 - 20.40	N/A	N/A	29.60	30.14	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 10063

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments